

Illinois EPA

February 2011

A Plan to Create and Maintain a Comprehensive Inventory of CAFOs

Objective

The basis for this plan is to compile data from various available resources and acquire updates from those same sources. The objective is to develop and then maintain a list of CAFOs in Illinois that can be used for the entire Water Program, including but not limited to permit issuance, inspection prioritization and targeting, assisting with citizen complaint responses, responding to general inquiries and impaired water identification. Facilities in the inventory will also be entered into ICIS, to the extent that ICIS protocols allow.

Data Sources

The following data sources will be used to develop and maintain the inventory.

Source	Date of request	Data source
IDOA	2/17/11	LMFA
IDPH	4/1/11	Dairy inspections
USEPA	4/1/11	Inspections
IEPA-FOS	N/A	Inspections/complaints
Western Illinois Univ.	12/1/10	GIS
IEMA*	4/1/11	Emergency releases
IEPA-Permits	N/A	NPDES applications

*IEMA reports are sent to the Illinois EPA and will appear as part of the IEPA-FOS data

The seven county pilot will be expanded to other parts of the state as resources for that project allow. Illinois EPA will meet with WIU to finish the GIS database input files and make any necessary changes. Among the items to be verified are the need to validate the method of data acquisition and the process and timing of updates using this process. Field verification of selected CAFOs identified in the GIS database will be conducted by Illinois EPA staff.

Maintaining the database

All data from outside the Illinois EPA will be updated routinely (e.g., IDOA LMFA data are provided from time to time, usually monthly or bi-monthly, as applications are filed under the LMFA) or by special requests to the manager of the data. Illinois EPA will conduct updates to the database on a monthly basis. The GIS project will be designed to allow for immediate updates via the internet. The comprehensive database used by the Illinois EPA will provide a centrally located system that can be accessed by the regional offices. New facilities added by the regional offices will be downloaded to the central system approximately once per month. At a minimum, the database should contain the following information:

Facility Owner/Operator
Facility Address
Latitude/Longitude
Animal type and Count
AFO Type
Containment Type
Wastewater Storage Type
NMP Developed
Land Application BMP
EMS Developed
Land Application - Acres
Livestock Max Capacity
NPDES Permit Issued
NPDES Permit Number
Watershed

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